

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085501 A3

- (51) International Patent Classification:
C25B 9/20 (2006.01) C25C 7/00 (2006.01)
- (21) International Application Number:
PCT/EP2005/002203
- (22) International Filing Date: 2 March 2005 (02.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
MI2004A000408 4 March 2004 (04.03.2004) IT
- (71) Applicant (for all designated States except US): DE
NORA ELETTRODI S.p.A. [IT/IT]; Via Dei Canzi, 1,
I-20134 Milan (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): OLDANI, Dario
[IT/IT]; Via Paolo Sarpi, 44, I-20154 Milan (IT). MI-
NOIA, Giorgio [IT/IT]; Via C. Goldoni, 2, I-20090
Cesano Boscone (IT). CARRETTIN, Leonello [IT/IT];
Via Soderini, 55, I-20146 Milan (IT). ROSSI, Paolo
[IT/IT]; Via Fratelli Bandiera, 52, I-20047 Brugherio (IT).
- (74) Agent: REITSTÖTTER, KINZEBACH & PARTNER
(GBR); Sternwartstr. 4, 81679 Munich (DE).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW.

- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

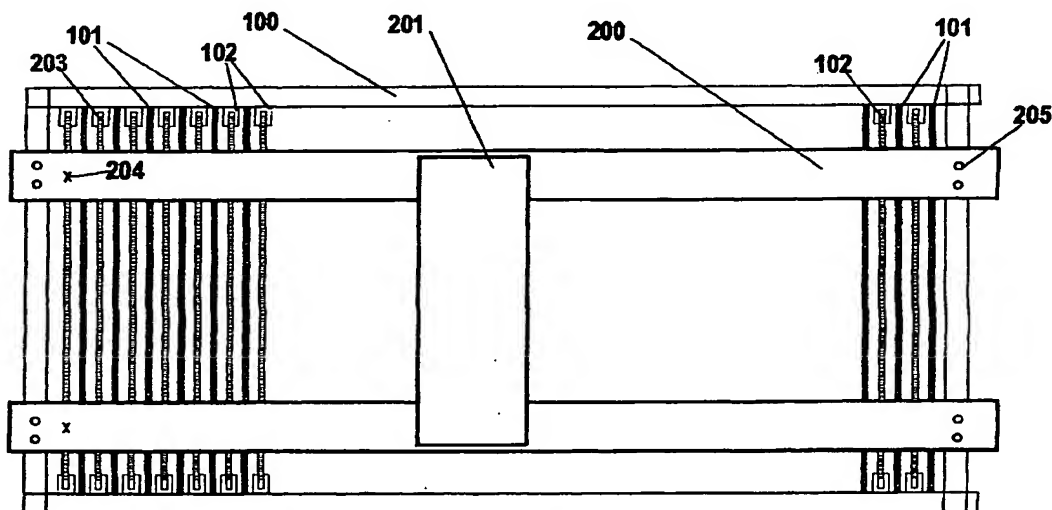
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

- (88) Date of publication of the international search report:
18 May 2006

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CELL FOR ELECTROCHEMICAL PROCESSES



(57) Abstract: It is described a finite interelectrode gap-cell for oxygen evolving-electrochemical processes comprising a package of planar anodes secured to a rack and a package of planar cathodes intercalated to the anodes secured to a frame. The cathode package can be handled separately or jointly with the anode package by means of a lifting device. The cell is particularly useful in metal electrowinning processes and in softening processes of calcareous waters by microelectrolysis.

WO 2005/085501 A3